WHAT IS CLAIMED IS:

1. A method for treating an object with a gas, comprising:

a step of putting the object in a hermetically sealed treatment section filled with a treatment gas;

a treatment step of treating the put object with the gas at a desired position in a gas atmosphere in the treatment section for a desired time;

a step of discharging the released treated object from the treatment section after the treatment step; and

a conveying step of conveying the treated object discharged from the treatment section.

2. The method according to claim 1, wherein the treatment step comprises:

a first treatment step of treating the object put in the hermetically sealed treatment section with the gas at the desired position in the gas atmosphere in the treatment section for the desired time; and

a second treatment step of moving the object in the treatment section of the gas atmosphere to treat the object with the gas again at the desired position for the desired time, after completion of the first treatment step.

3. A reaction apparatus for treating an object with a gas, comprising:

a treatment section which includes at least a

treatment gas injection section, an inlet of the object and an outlet of the treated object, has a structure in which the object is automatically conveyed from the inlet to the outlet, and treats the object with the gas in a hermetically sealed space; and

a conveying mechanism for conveying the treated object from an object outlet position of the treatment section to the outside of the apparatus,

wherein the treatment section comprises a mechanism for holding the object in a gas atmosphere in the treatment section in a fixed place for a desired time.

4. The reaction apparatus according to claim 3,

wherein the treatment section comprises the mechanism for holding the object at the fixed place in the gas atmosphere in the treatment section for the desired time, and a mechanism for moving or swinging the object to prevent unevenness of the treatment.

5. The reaction apparatus according to claim 4, further comprising:

at least two operation pieces disposed back and forth in a direction orthogonal to an advancing direction of the object in the treatment section to freely move up and down,

wherein the two operation pieces are constituted of a first operation piece positioned on the inlet side of the

object to be treated, and a second operation piece positioned on the outlet of the treated object;

the first operation piece holds the object in a fixed place for a desired time to treat the object with the gas for a desired time, and then the first operation piece is raised to lower the object toward the outlet by a desired distance; and

the second operation piece receives the object passed through the raised first operation piece, holds the object in a fixed place for a desired time to treat the object with the gas again for a desired time, and then the second operation piece is raised to lower the object toward the outlet.

6. The reaction apparatus according to claim 5, wherein the first and second operation pieces are formed to be different lengths: the first operation piece being formed to be short, and the second operation piece being formed to be long, and the operation pieces are vertically moved by the same mechanism.

7. The reaction apparatus according to claim 5, wherein the first and second operation pieces are vertically moved by different mechanisms.

8. The reaction apparatus according to claim 4, further comprising:

an operation piece disposed in the treatment section in a direction orthogonal to the advancing direction of the object,

wherein the operation piece is adapted to be swung by a swinging mechanism.

9. The reaction apparatus according to claim 8,

wherein the operation piece has a structure in which the object received in the treatment section is held in a fixed place for a desired time to be treated with the gas, swung back or forth in the advancing direction, and then held in a position to which it has been moved by a desired distance to be treated again with the gas for a desired time.

10. The reaction apparatus according to claim 8,

wherein the operation piece has a structure in which the object received in the treatment section is swung back and forth in the advancing direction for a desired time to be treated with the gas.

11. The reaction apparatus according to claim 3,

wherein the outlet side of the treatment section and one end side of the conveying mechanism facing the outlet side are positioned in a desired liquid which has filled a water tank.

12. The reaction apparatus according to claim 3,

wherein the object is a short object formed in a product shape.

13. The reaction apparatus according to claim 12, wherein the object is a wiper blade.

14. The reaction apparatus according to claim 13, wherein the wiper blade is made of rubber or a synthetic resin.

15. The reaction apparatus according to claim 3, further comprising:

a feeding mechanism and a pressing roller disposed in the vicinity of the object inlet to forcibly feed the object through the object inlet by holding it therebetween,

wherein the pressing roller is adapted to be separated.